

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) An image processing apparatus comprising:

a reception unit that receives ~~at least three~~ first, second, and third encoded image data ~~via a serial bus;~~

a decoding unit that decodes ~~one of the received~~ first encoded image data to generate a main frame;

a sub frame generating unit that extracts ~~a low frequency component from each one of the other received~~ second encoded image data, extracts a low frequency component from the third encoded image data, generates a first sub frame from the low frequency component of the second encoded image data, and generates a second sub frames frame from the extracted low frequency components component extracted from the third encoded image data; and

an image signal generating unit that combines the main frame ~~and generated from the first encoded image data, the first sub frames frame generated from the low frequency component of the second encoded image data, and the second sub frame generated from the low frequency component of the third encoded image data,~~ and generates an image signal including the main frame ~~combined with generated from the first encoded image data, the first sub frames frame generated from the low frequency component of the second encoded image data, and the second sub frame generated from the low frequency component of the third encoded image data;~~ and

wherein if a switching key is rotated to left side, (a) the decoding unit decodes the second encoded image data to generate the main frame, (b) the sub frame generating unit extracts the

low frequency component from the third encoded image data, extracts a low frequency component from the first encoded image data, generates the first sub frame from the low frequency component extracted from the third encoded image data, and generates the second sub frame from the low frequency component extracted from the first encoded image data, and (c) the image signal generating unit combines the main frame generated from the second encoded image data, the first sub frame generated from the low frequency component of the third encoded image data, and the second sub frame generated from the low frequency component of the first encoded image data, and generates an image signal including the main frame generated from the second encoded image data, the first sub frame generated from the low frequency component of the third encoded image data, and the second sub frame generated from the low frequency component of the first encoded image data, and

wherein if the switching key is rotated to right side, (a) the decoding unit decodes the third encoded image data to generate the main frame, (b) the sub frame generating unit extracts the low frequency component from the first encoded image data, extracts the low frequency component from the second encoded image data, generates the first sub frame from the low frequency component extracted from the first encoded image data, and generates the second sub frame from the low frequency component extracted from the second encoded image data, and (c) the image signal generating unit combines the main frame generated from the third encoded image data, the first sub frame generated from the low frequency component of the first encoded image data, and the second sub frame generated from the low frequency component of the second encoded image data, and generates an image signal including the main frame generated from the third encoded image data, the first sub frame generated from the low frequency component of the first encoded image data, and the second sub frame generated from

the low frequency component of the second encoded image data.

2-3. (Canceled)

4. (Currently Amended) ~~An~~ The image processing apparatus according to claim 1,
wherein the reception unit is based on the IEEE 1394-1995 standard.

5. (Canceled)

6. (Currently Amended) ~~An~~ The image processing apparatus according to claim 1,
further comprising:

a recording unit adapted to record the encoded image data corresponding to the main frame
on a storage medium, in response to an operation of a predetermined operation key.

7. (Currently Amended) ~~An~~ The image processing apparatus according to claim 1,
wherein the at least three encoded image data are based on the SD format of the DV standard.

8-14. (Canceled)